Installation Guide

For Safety Information, Warranties, and Regulatory information, see the pages at the back of this guide.

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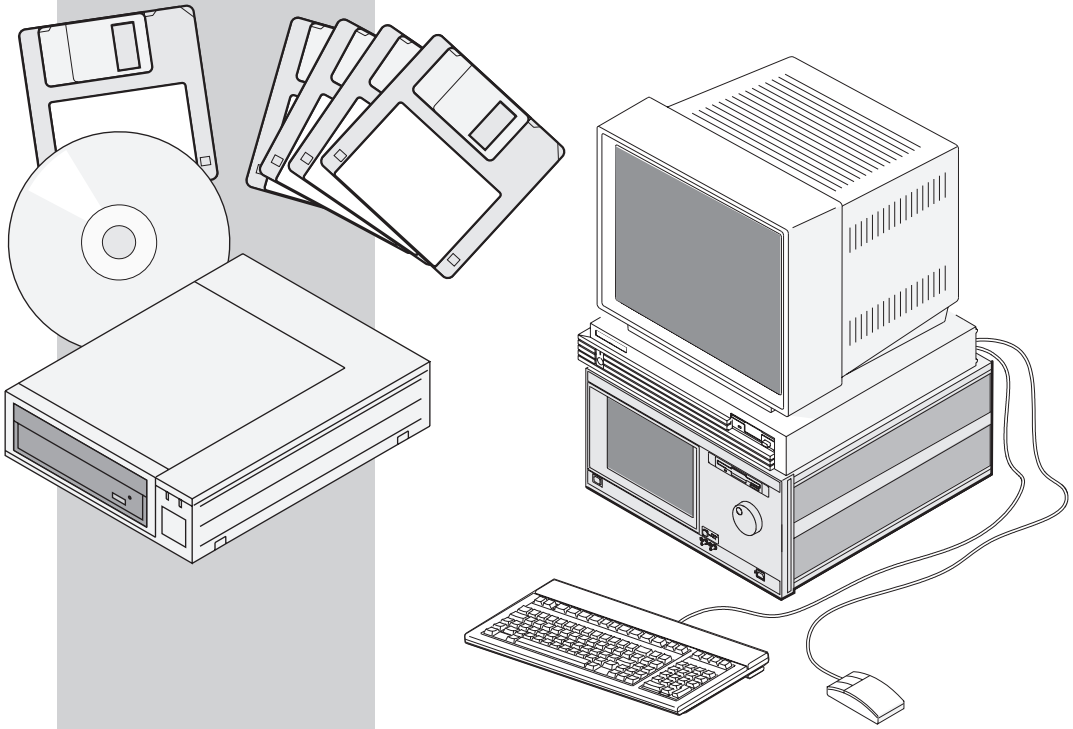
Software Upgrade



HP 16505A
Prototype Analyzer

Publication Number 16505-92010
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HEWLETT PACKARD

Contents

This Installation Guide covers two HP 16505A software upgrade/install procedures:

- Updating the HP 16500B/C logic analyzer with floppy disks and the HP 16505A prototype analyzer with CD-ROM and floppy disk.

Power-Down the HP 16505A Page 3

Upgrade the HP 16500 Pages 4-7

Upgrade the HP 16505A Pages 8-13

Power-Up the HP 16505A System Page 14

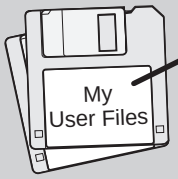
Installing HP 16505A features/product support using floppy disks.

Installing Additional Features/Product Support Pages 15-20

Note! The upgrade preserves all user files, directories, passwords, and network setup. The upgrade is done via local session.

Power-Down the HP 16505A System

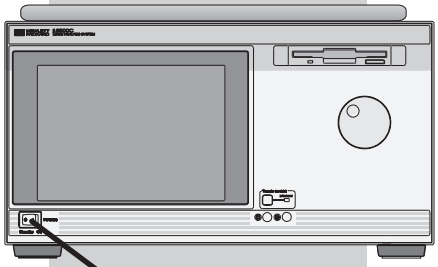
Back up your files and power down the target and system.

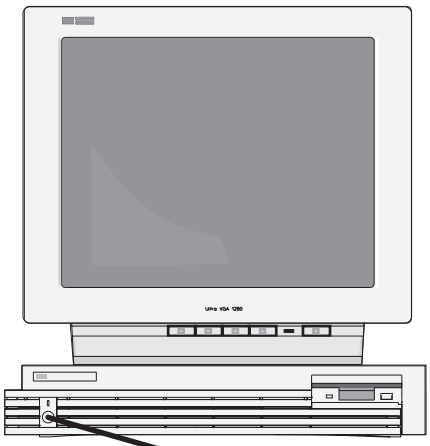


1. Back up your "user files".

Note! It is always best practice to back up your HP 16500 and HP 16505A user files via floppy or network.

2. Power-down the target.

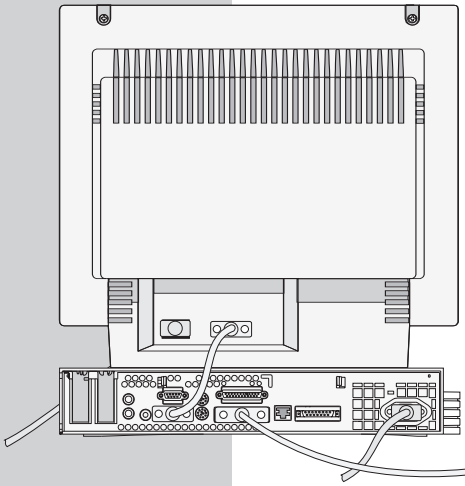




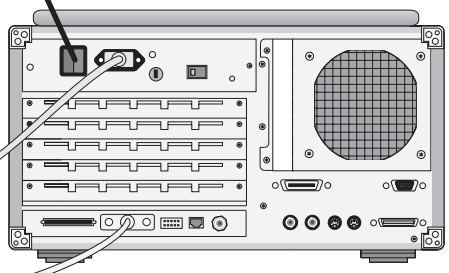
3. HP 16500 Standby Power Switch off.

4. HP 16500 Main Power Switch off.

5. HP 16505A Main Power Switch off.



(Rear Panels)

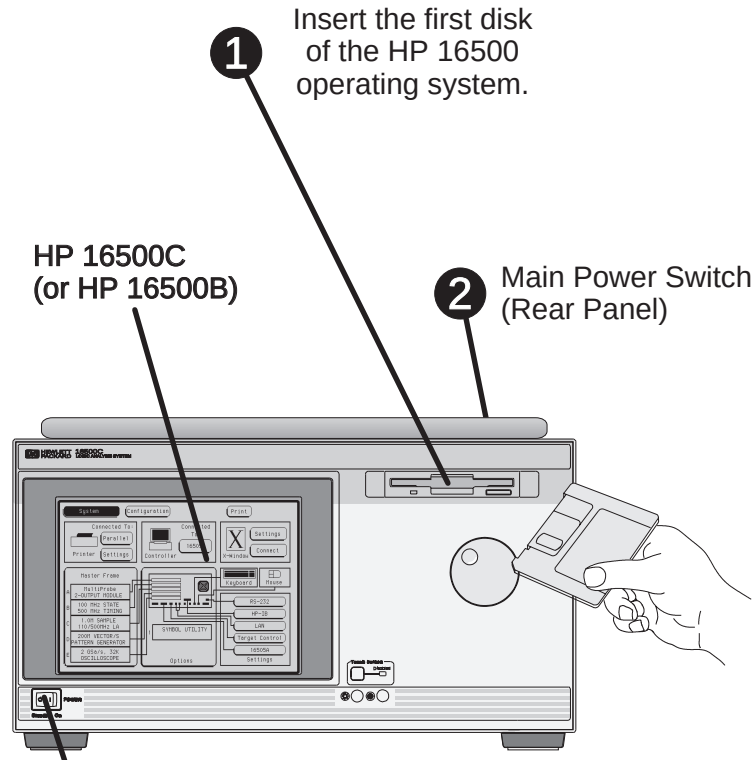


Upgrade the HP 16500

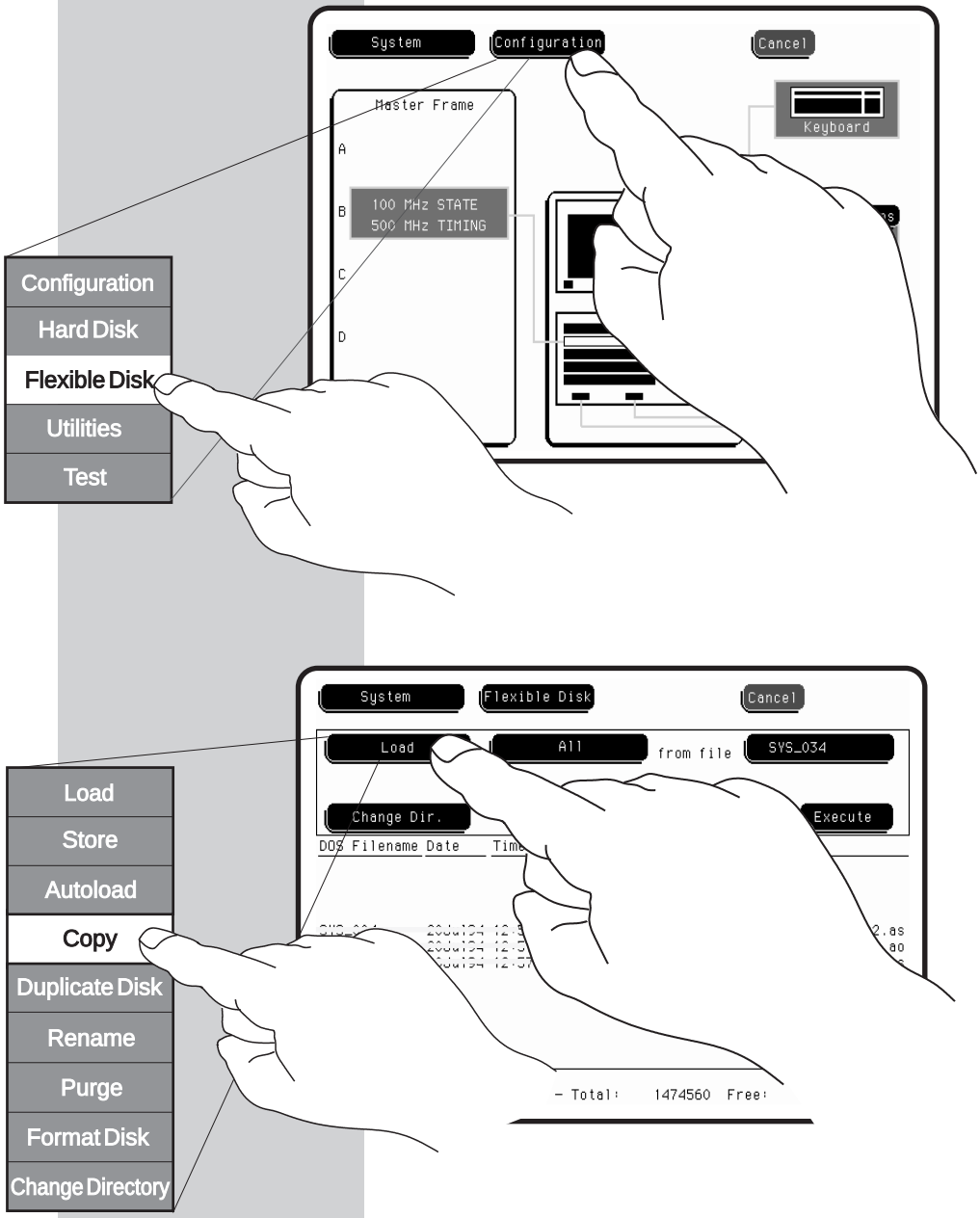
Insert the first software upgrade disk and power-up the HP 16500.

Note!

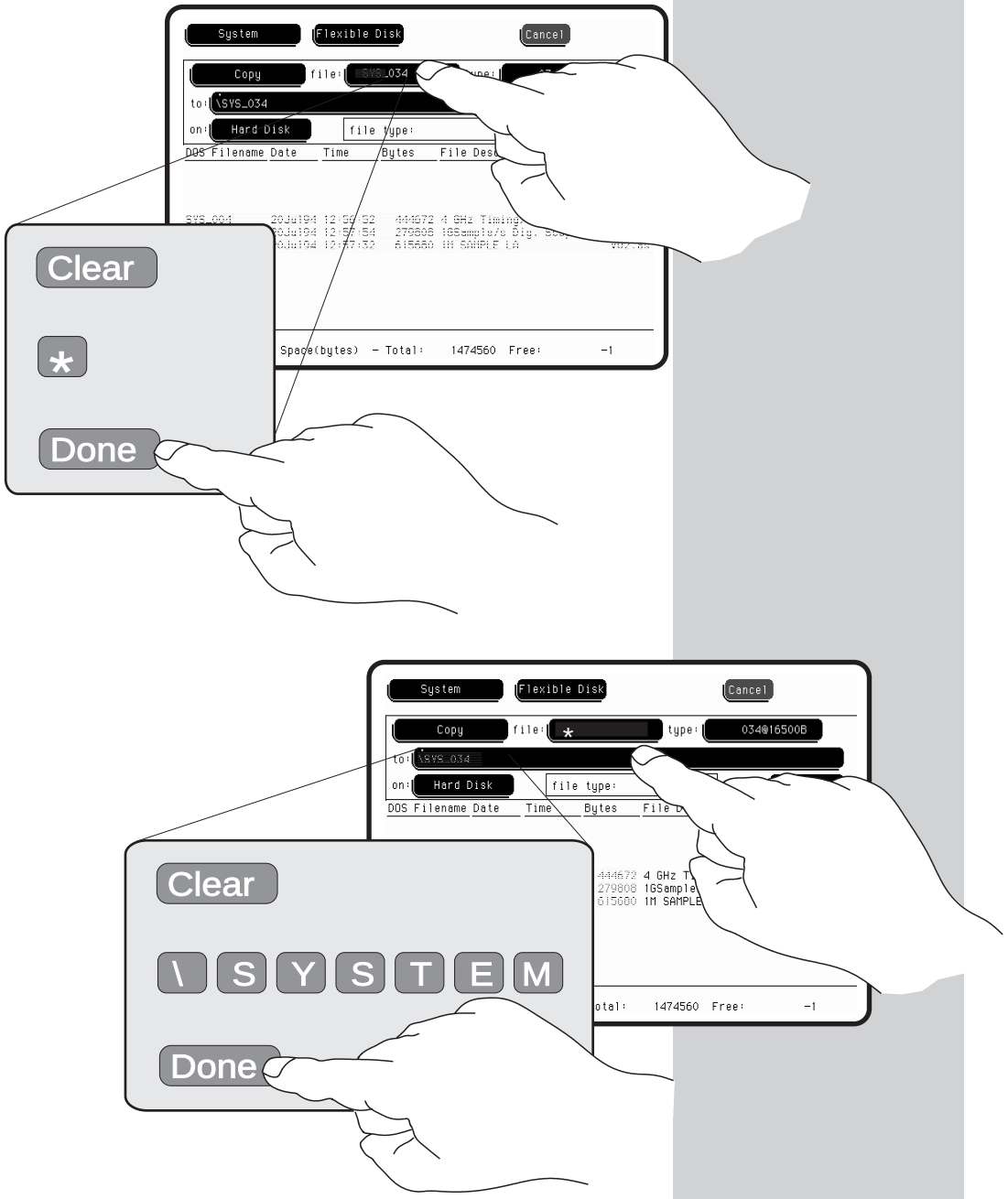
Only the HP 16500 should be turned on when installing the HP 16500 software.



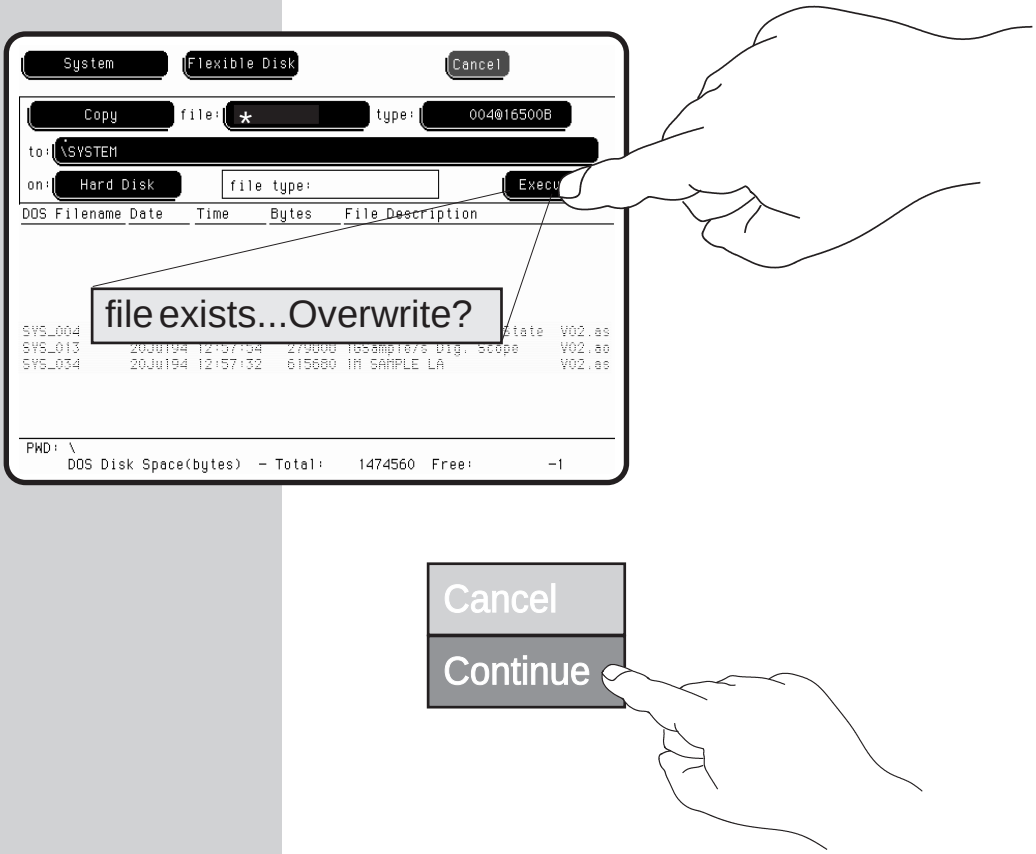
Select the HP 16500 flexible disk drive and set the file operation field to Copy.

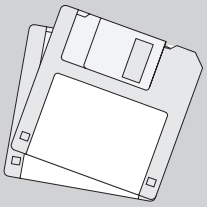


Set the source field to the wildcard symbol and set the destination directory to \SYSTEM.



Select Execute to begin copying.

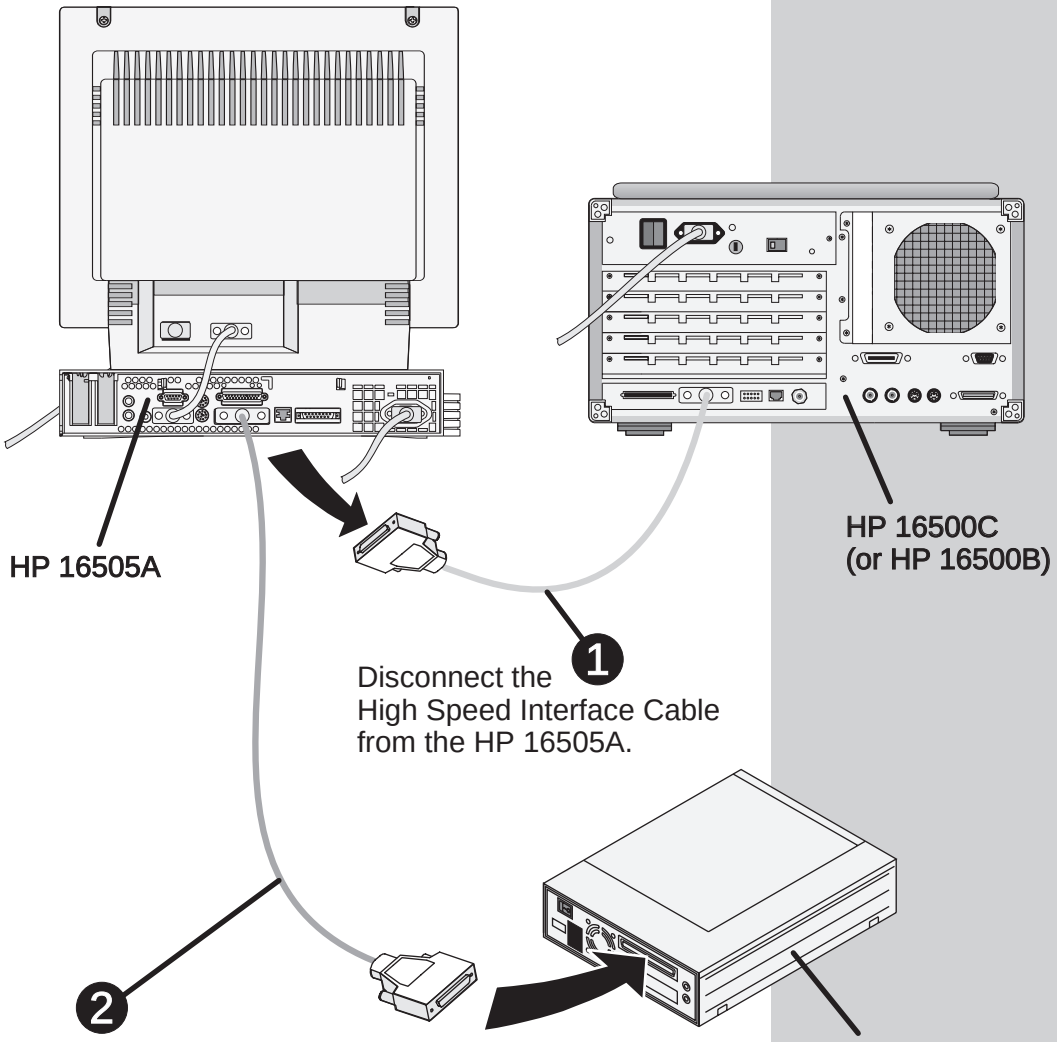




Insert the next disk and repeat this step until all the HP 16500 update files are copied. Remove the last disk *and power-down the instrument.*

Upgrade the HP 16505A

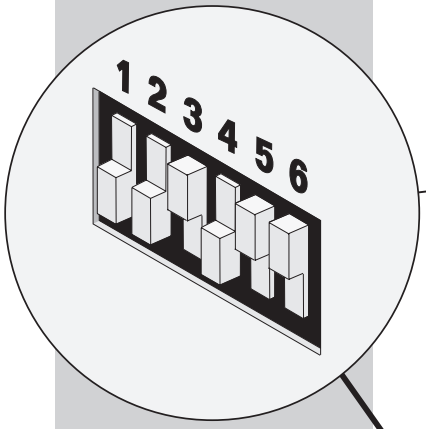
Connect the CD-ROM drive to the HP 16505A.



Note! Unterminated CD-ROM drives may corrupt the HP 16505A hard drive. CD-ROM drives supplied by HP with Rev. A.01.30 have been terminated internally.

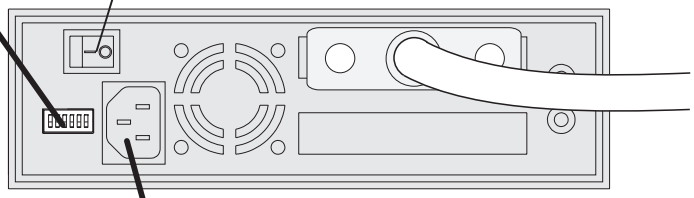
Set the SCSI address and connect the power cable.

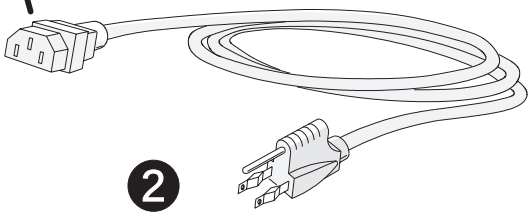
1. Set the SCSI address to address 4.



Note! CD-ROM drives supplied by HP with Rev. A.01.30 have the SCSI address set to 4 at the factory. Ensure that the switch settings correspond to this drawing.

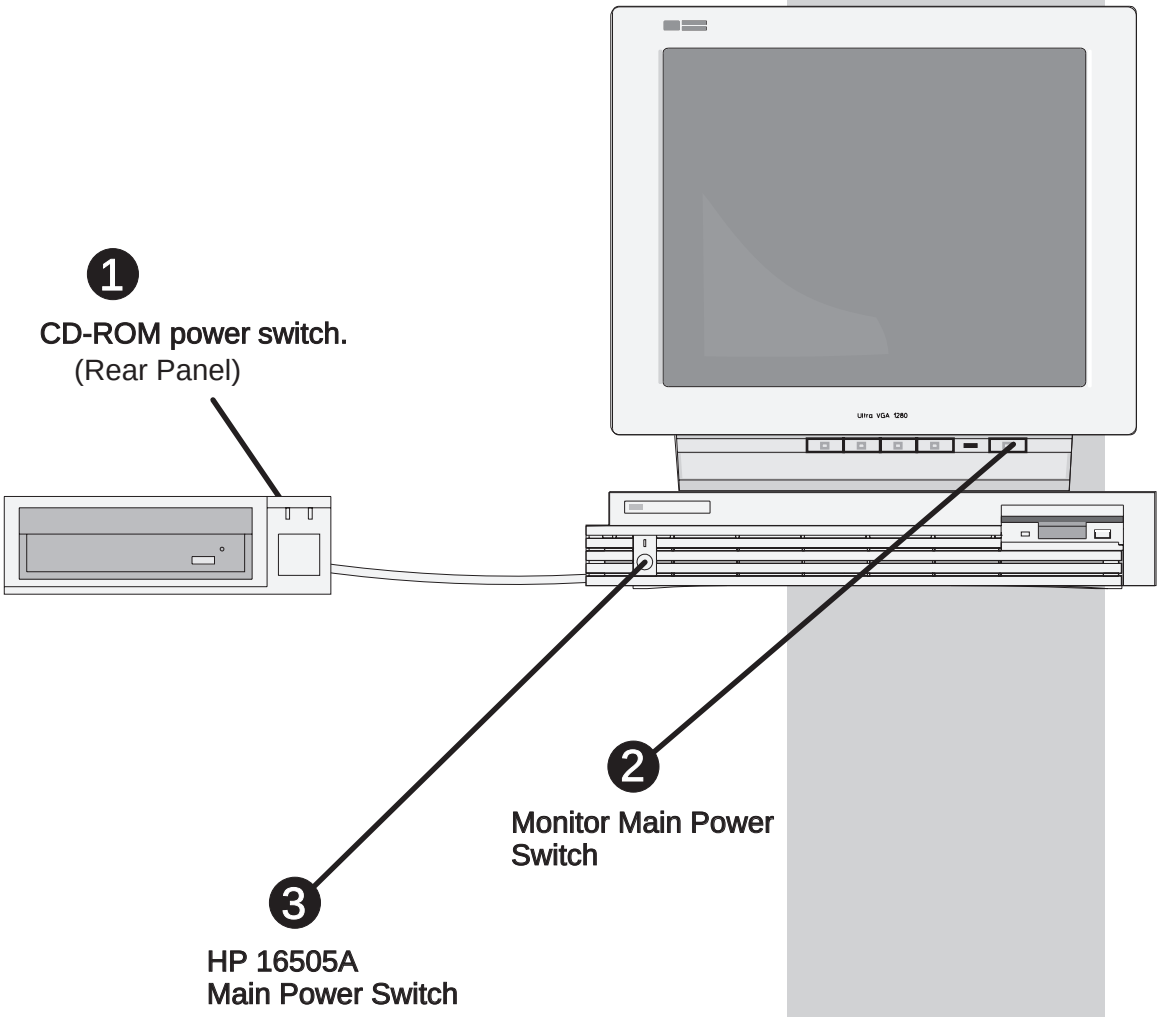
(CD-ROM Power Switch.)



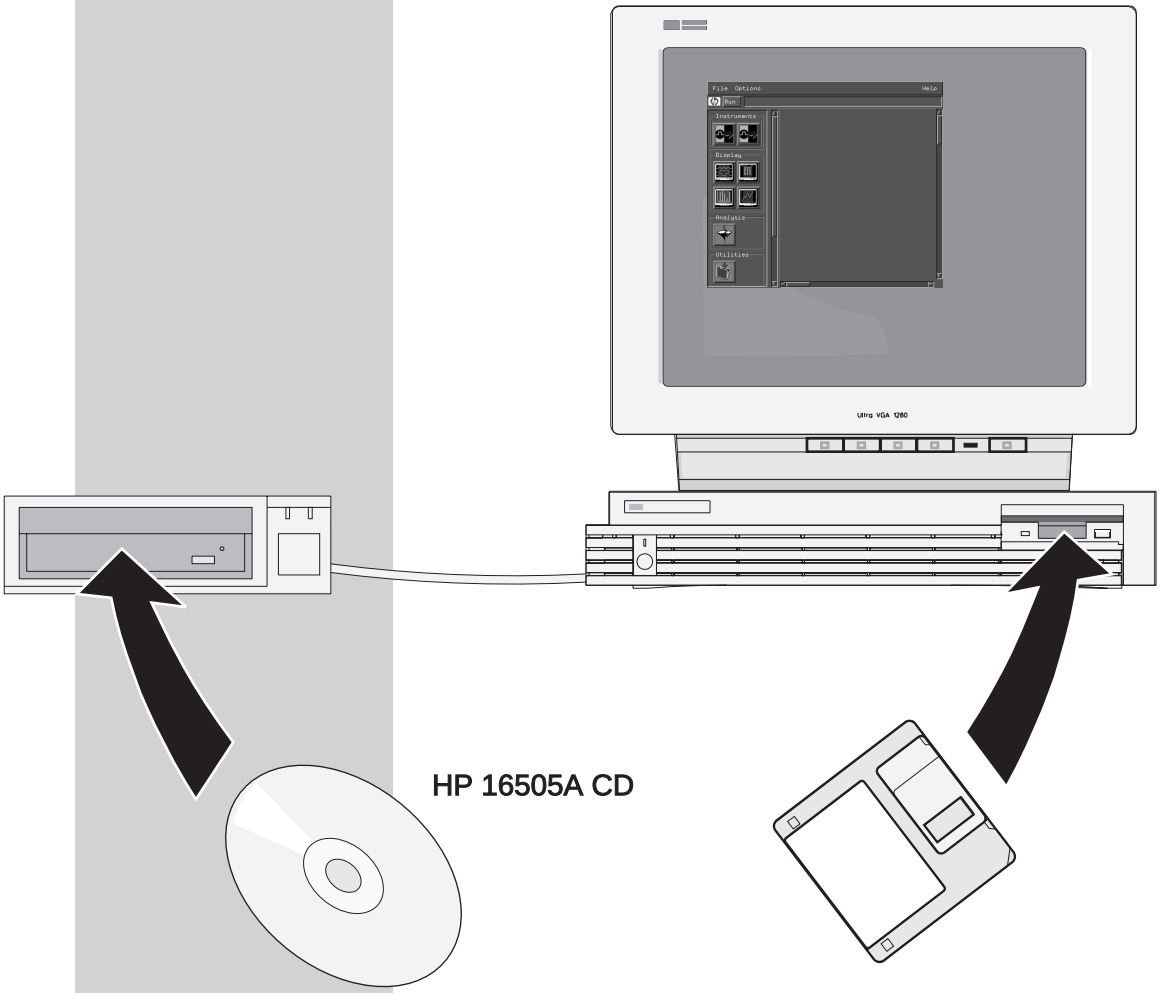


2. Connect the power cable.

Turn on the CD-ROM drive and the HP 16505A.



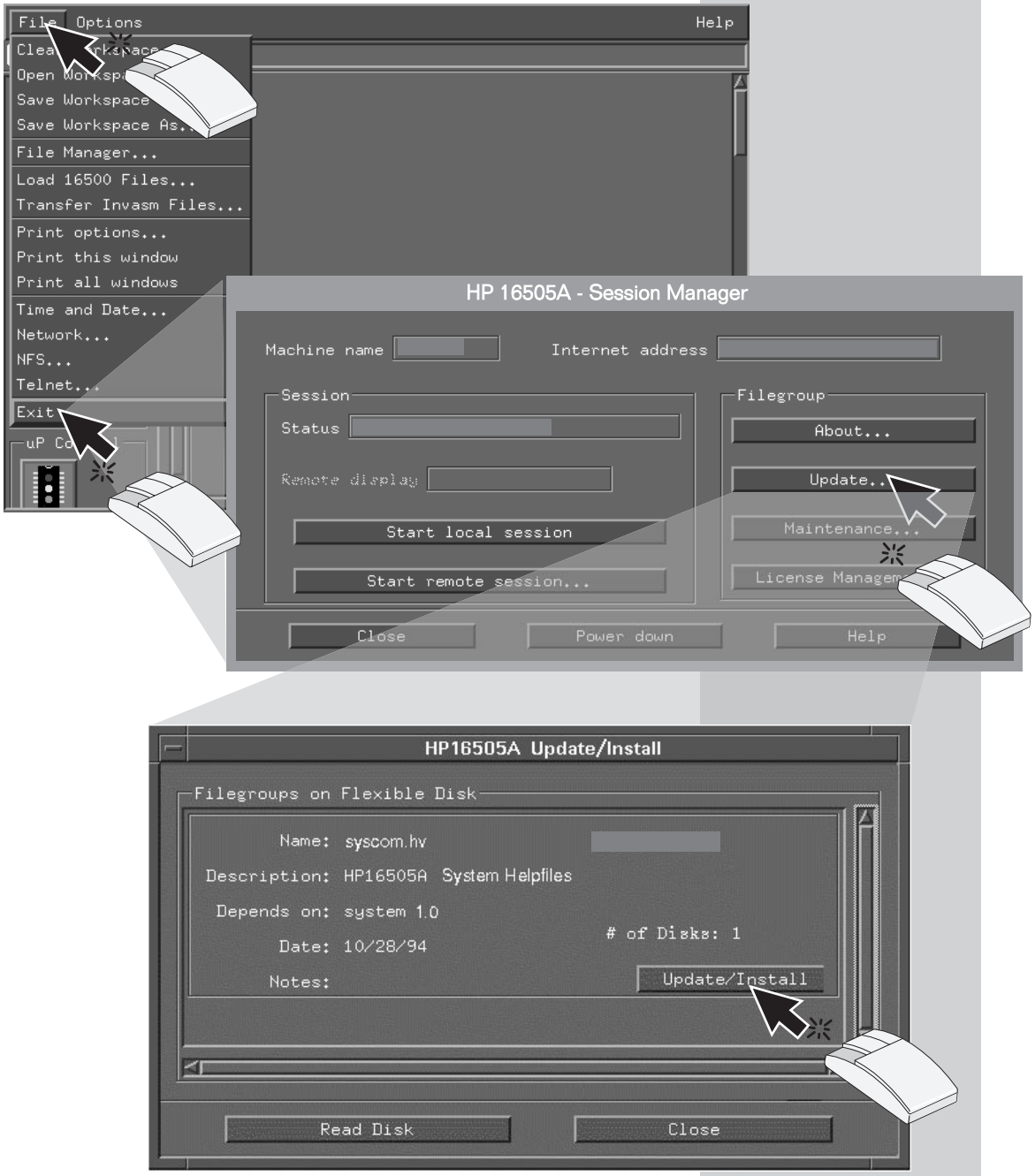
Insert the CD and the flexible disk into the drives.



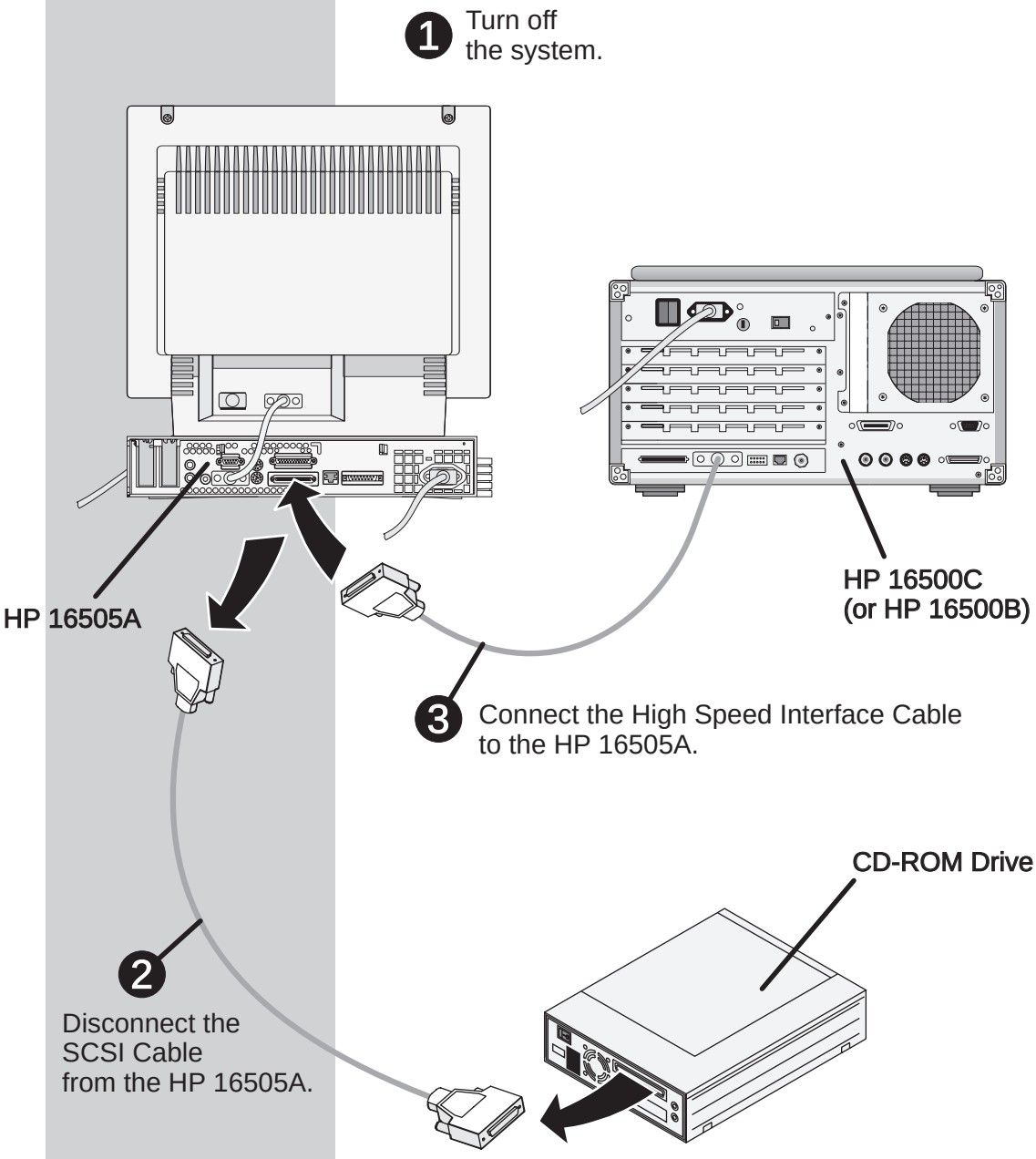
HP 16505A CD

HP 16505A CD Install Utility Disk

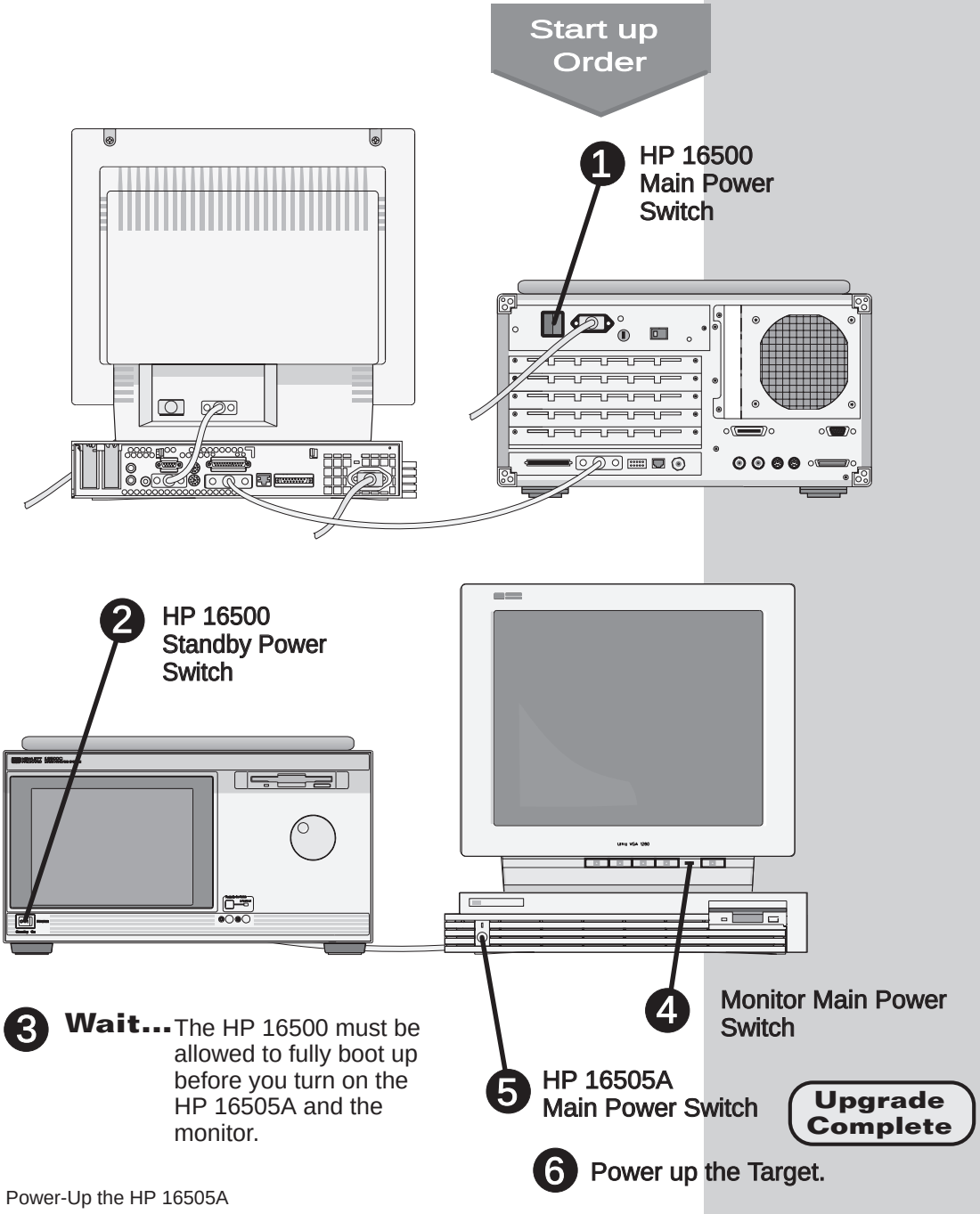
Click on the appropriate fields to begin loading the software upgrade.



Upon completion, turn off the system and reconnect the High Speed Interface Cable.


1 Turn off the system.
HP 16505A
HP 16500C (or HP 16500B)
3 Connect the High Speed Interface Cable to the HP 16505A.
CD-ROM Drive
2 Disconnect the SCSI Cable from the HP 16505A.

Power-Up the HP 16505A System


Start up Order
1 HP 16500 Main Power Switch
2 HP 16500 Standby Power Switch
3 Wait... The HP 16500 must be allowed to fully boot up before you turn on the HP 16505A and the monitor.
4 Monitor Main Power Switch
5 HP 16505A Main Power Switch
Upgrade Complete
6 Power up the Target.

Installing Additional HP 16505A Features/Product Support

Only the HP 16500 should be turned on when installing the HP 16500 software.

Power-down the target and the HP 16505A. 1

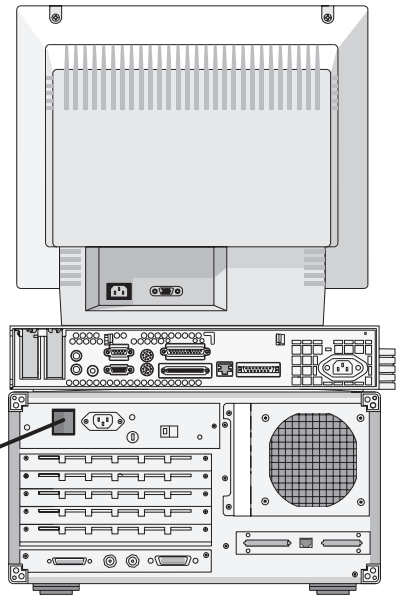
Start up Order

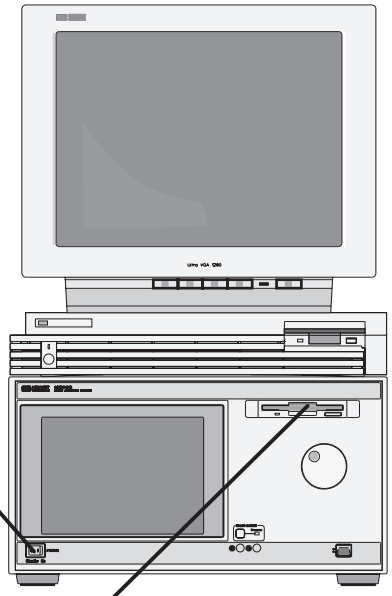
HP 16500(B or C) Main Power Switch 2

HP 16500 Standby Power Switch 3

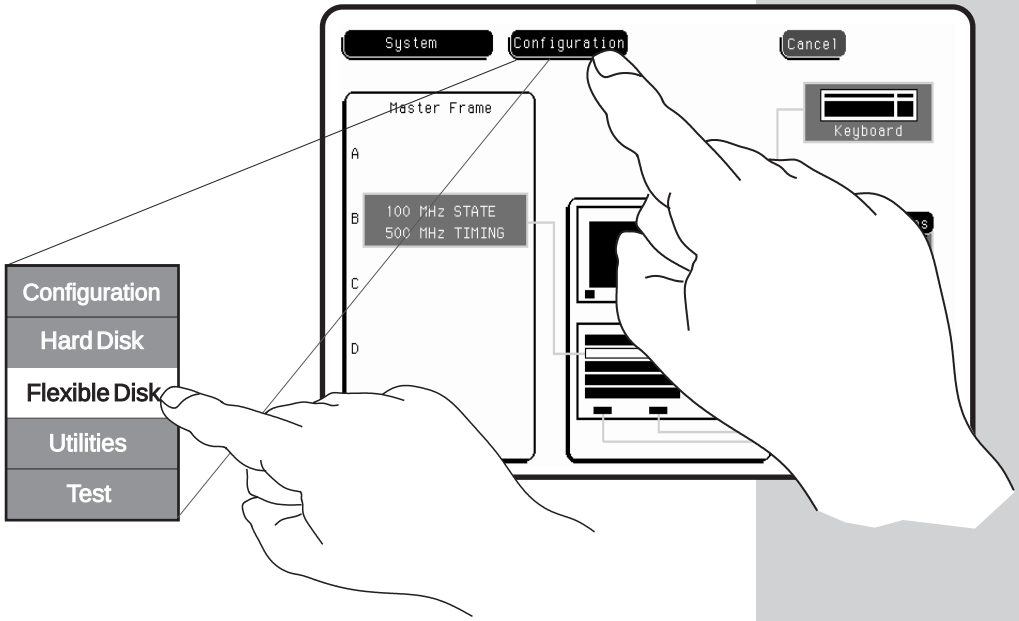
Allow 30 seconds to boot up. 4

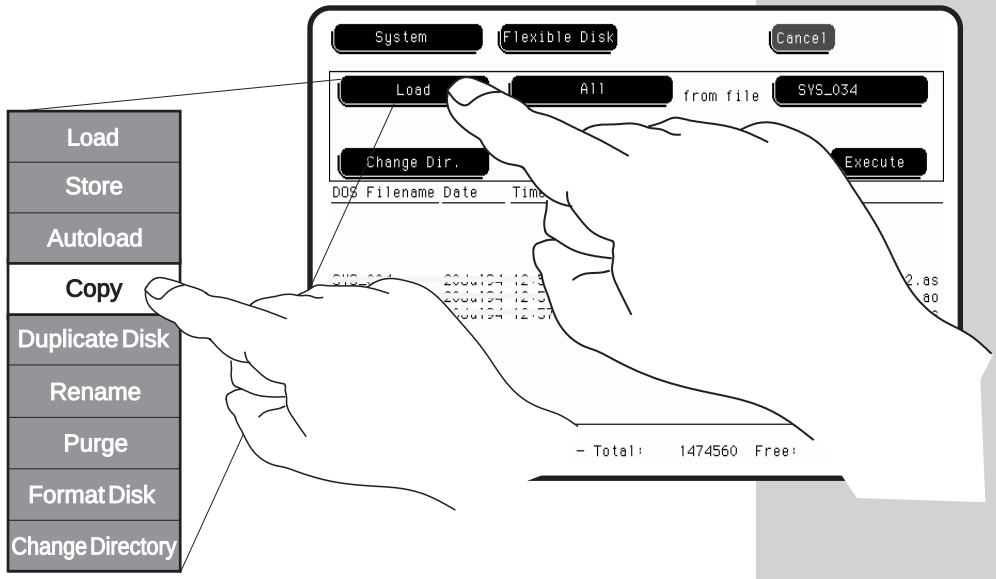
Insert the first disk of the HP 16500 operating system. 5



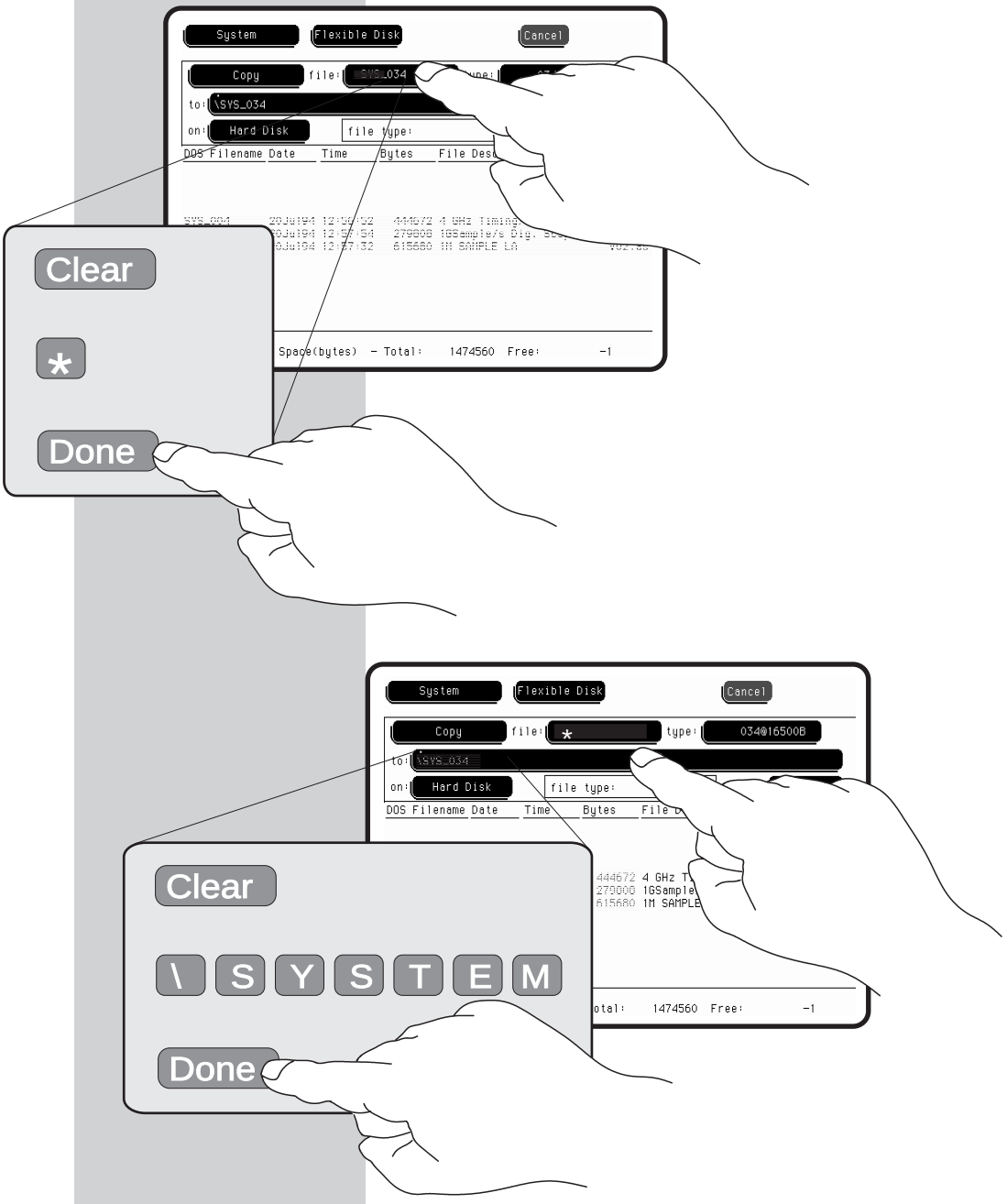


Select the HP 16500 flexible disk drive and set the file operation field to Copy.

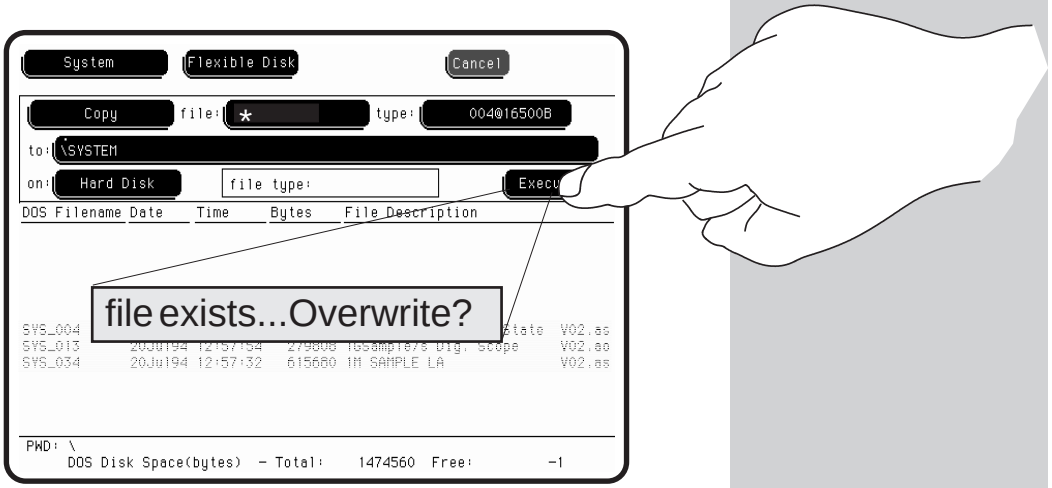


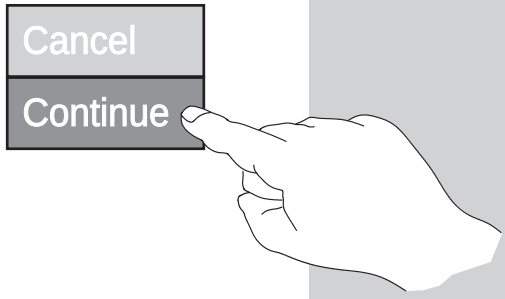


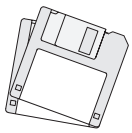
Set the source field to the wildcard symbol and set the destination directory to \SYSTEM.



Select Execute to begin copying.







Insert the next disk and repeat this step until all HP 16500 files are copied.

Turn on the HP 16505A system and insert the Product/Features disk(s).

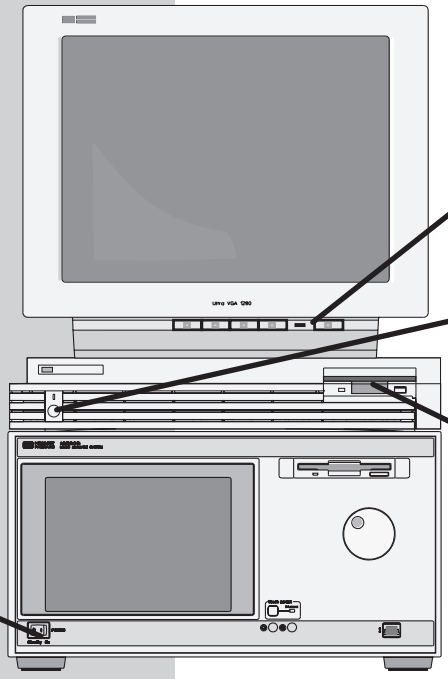
Cycle the power on the HP 16500 to restart the system with the new files installed in the previous pages. (The main power switch on the HP 16500 rear panel may remain in the ON position.)

Start up Order

1 Cycle the HP 16500 Standby Power Switch

2 Wait...

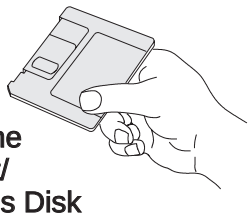
The HP 16500 must be allowed to fully boot up.



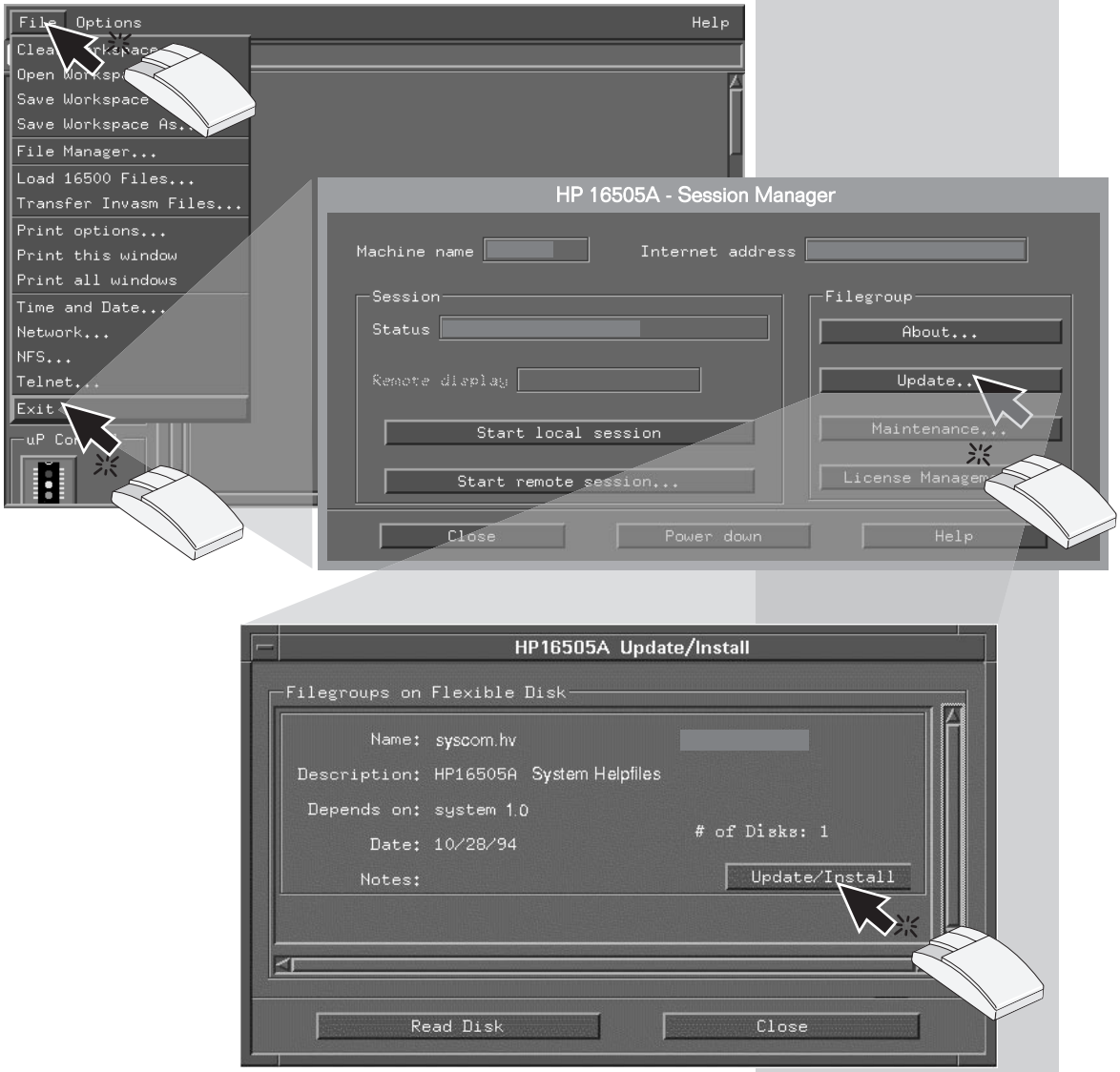
3 Monitor Main Power Switch

4 Prototype Analyzer Main Power Switch

5 Insert the Product/ Features Disk



Click on the appropriate fields to begin the file installation.



Upgrade Complete

Upon completion, reboot the HP 16505A system (page 14) and power-up the target.

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Safety

This apparatus has been designed and tested in accordance with IEC Publication 1010, Safety Requirements for Measuring Apparatus, and has been supplied in a safe condition. This is a Safety Class I instrument (provided with terminal for protective earthing). Before applying power, verify that the correct safety precautions are taken (see the following warnings). In addition, note the external markings on the instrument that are described under "Safety Symbols."

Warning

- Before turning on the instrument, you must connect the protective earth terminal of the instrument to the protective conductor of the (mains) power cord. The mains plug shall only be inserted in a socket outlet provided with a protective earth contact. You must not negate the protective action by using an extension cord (power cable) without a protective conductor (grounding). Grounding one conductor of a two-conductor outlet is not sufficient protection.
- Only fuses with the required rated current, voltage, and specified type (normal blow, time delay, etc.) should be used. Do not use repaired fuses or short-circuited fuseholders. To do so could cause a shock or fire hazard.
- Service instructions are for trained service personnel. To avoid dangerous electric shock, do not perform any service unless qualified to do so. Do not attempt internal service or adjustment unless another person, capable of rendering first aid and resuscitation, is present.
- If you energize this instrument by an auto transformer (for voltage reduction), make sure the common terminal is connected to the earth terminal of the power source.
- Whenever it is likely that the ground protection is impaired, you must make the instrument inoperative and secure it against any unintended operation.
- Do not operate the instrument in the presence of flammable gasses or fumes. Operation of any electrical instrument in such an environment constitutes a definite safety hazard.
- Do not install substitute parts or perform any unauthorized modification to the instrument.
- Capacitors inside the instrument may retain a charge even if the instrument is disconnected from its source of supply.
- Use caution when exposing or handling the CRT. Handling or replacing the CRT shall be done only by qualified maintenance personnel.

Safety Symbols

Instruction manual symbol: the product is marked with this symbol when it is necessary for you to refer to the instruction manual in order to protect against damage to the product.

Hazardous voltage symbol.

Earth terminal symbol: Used to indicate a circuit common connected to grounded chassis.

WARNING

The Warning sign denotes a hazard. It calls attention to a procedure, practice, or the like, which, if not correctly performed or adhered to, could result in personal injury. Do not proceed beyond a Warning sign until the indicated conditions are fully understood and met.

CAUTION

The Caution sign denotes a hazard. It calls attention to an operating procedure, practice, or the like, which, if not correctly performed or adhered to, could result in damage to or destruction of part or all of the product. Do not proceed beyond a Caution symbol until the indicated conditions are fully understood or met.

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P.O. Box 2197
1900 Garden of the Gods Road
Colorado Springs, CO. 80901

CD ROM Drive Warranty

The manufacturer of the CD-ROM drive is responsible for post-sales support and warranty for the CD-ROM drive.

Product Warranty

This Hewlett-Packard product has a warranty against defects in material and workmanship for a period of one year from date of shipment. During the warranty period, Hewlett-Packard Company will, at its option, either repair or replace products that prove to be defective. For warranty service or repair, this product must be returned to a service facility designated by Hewlett-Packard. For products returned to Hewlett-Packard for warranty service, the Buyer shall prepay shipping charges to Hewlett-Packard and Hewlett-Packard shall pay shipping charges to return the product to the Buyer. However, the Buyer shall pay all shipping charges, duties, and taxes for products returned to Hewlett-Packard from another country. Hewlett-Packard warrants that its software and firmware designated by Hewlett-Packard for use with an instrument will execute its programming instructions when properly installed on that instrument. Hewlett-Packard does not warrant that the operation of the instrument software, or firmware will be uninterrupted or error free.

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Certification

Hewlett-Packard Company certifies that this product met its published specifications at the time of shipment from the factory. Hewlett-Packard further certifies that its calibration measurements are traceable to the United States National Institute of Standards and Technology, to the extent allowed by the Institute's calibration facility, and to the calibration facilities of other International Standards Organization members.

About this edition

This is the HP 16505A Prototype Analyzer Software Upgrade Installation Guide

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New editions are complete revisions of the manual. Update packages, which are issued between editions, contain additional and replacement pages to be merged into the manual by you. The dates on the title page change only when a new edition is published. A software or firmware code may be printed before the date. This code indicates the version level of the software or firmware of this product at the time the manual or update was issued. Many product updates do not require manual changes; and, conversely, manual corrections may be done without accompanying product changes. Therefore, do not expect a one-to-one correspondence between product updates and manual updates.

The following list of pages gives the date of the current edition and of any changed pages to that edition.

All pages original edition

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